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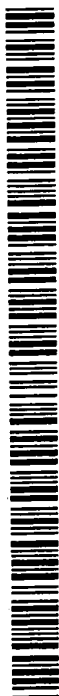
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(54) Title: AIR-SAMPLING DEVICE AND METHOD OF USE

(57) Abstract: The present disclosure concerns embodiments of a sampling apparatus that utilizes one or more cyclone separators to collect airborne particles from the atmosphere. In one representative embodiment, the sampling apparatus includes a collection-vessel retaining member that is adapted to be removably coupled to a collection vessel. The retaining member has an air-inlet conduit for permitting air to flow through the open end of the collection vessel and an air-outlet conduit for permitting air to exit the open end of the collection vessel. The airinlet conduit and the air-outlet conduit are configured to cause air flowing into the collection vessel to establishes a cyclonic flow path, which causes airborne particles to separate out from the air stream and collect in the collection vessel.



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